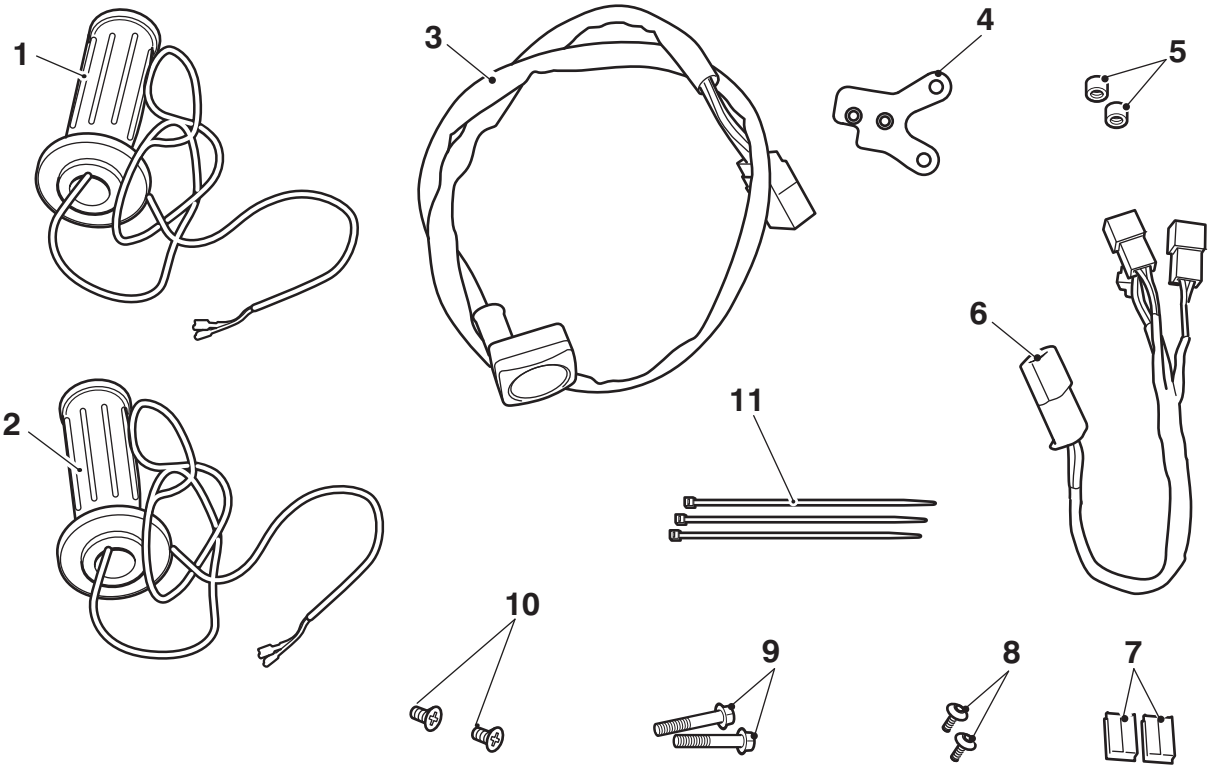
English

Fitting Instructions:
Thunderbird Commander and Thunderbird LT
A9638089

Thank you for choosing this Triumph genuine accessory kit. This accessory kit is the product of Triumph's use of proven engineering, exhaustive testing, and continuous striving for superior reliability, safety and performance.

Completely read all of these instructions before commencing the installation of the accessory kit in order to become thoroughly familiar with the kit's features and the installation process.

These instructions should be considered a permanent part of your accessory kit, and should remain with it even if your accessory-equipped motorcycle is subsequently sold.



Parts Supplied:

1.	Heated grip, left hand	1 off	7.	Connector block	2 off
2.	Heated grip, right hand	1 off	8.	Screw, butt head, M4 x 5 mm	2 off
3.	Switch	1 off	9.	Bolt, M6 x 35 mm	2 off
4.	Bracket, switch	1 off	10.	Screw, self tapping, M4 x 13 mm	2 off
5.	Spacer	2 off	11.	Cable tie	3 off
6.	Wiring sub-harness	1 off			

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Warning

This accessory kit is designed for use on Triumph Thunderbird Commander and Thunderbird LT motorcycles only and should not be fitted to any other manufacturer's motorcycle. Fitting this accessory kit to any other manufacturer's motorcycle will affect the performance, stability and handling of the motorcycle. This may affect the rider's ability to control the motorcycle and could cause an accident.

Warning

Always have Triumph approved parts, accessories and conversions fitted by a trained technician of an authorised Triumph dealer. The fitment of parts, accessories and conversions by a technician who is not of an authorised Triumph dealer may affect the handling, stability or other aspects of the motorcycle's operation which may result in loss of motorcycle control and an accident.

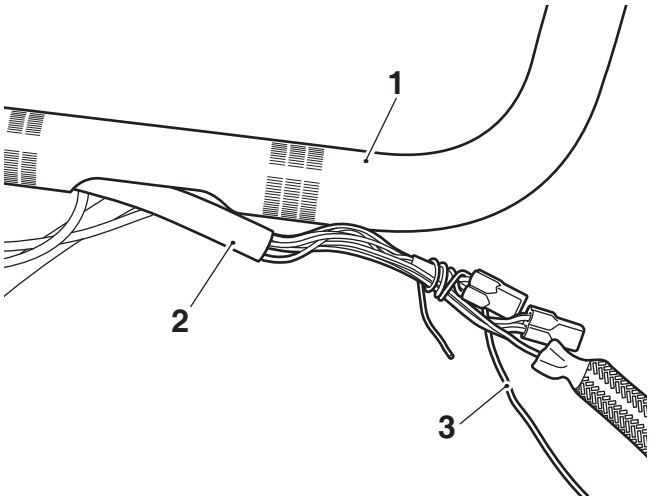
Warning

Throughout this operation, ensure that the motorcycle is stabilised and adequately supported to prevent risk of injury from the motorcycle falling.

Warning

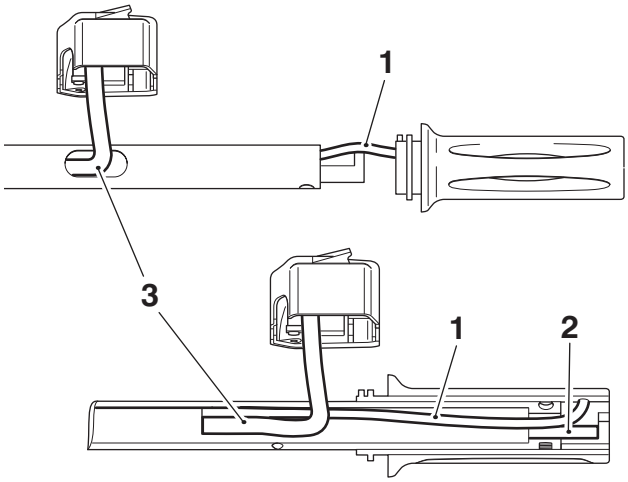
A torque wrench of known accurate calibration must be used when fitting this accessory kit. Failure to tighten any of the fasteners to the correct torque specification may result in loss of motorcycle control and an accident.

1. Remove the rider's seat; refer to the Owner's Handbook.
2. Disconnect the battery, negative (black) lead first.
3. If fitted, remove the windscreen; refer to the Service Manual.
4. Remove the headlight; refer to the Service Manual.
5. Remove the front fork shrouds; refer to the Service Manual.
6. Remove the left hand handlebar grip, retain for re-use if the motorcycle is to be returned to its original condition.
7. Remove the handlebars; refer to the Service Manual.
8. Connect a suitable draw wire to the right hand harness connector and draw out the switch cube harness.



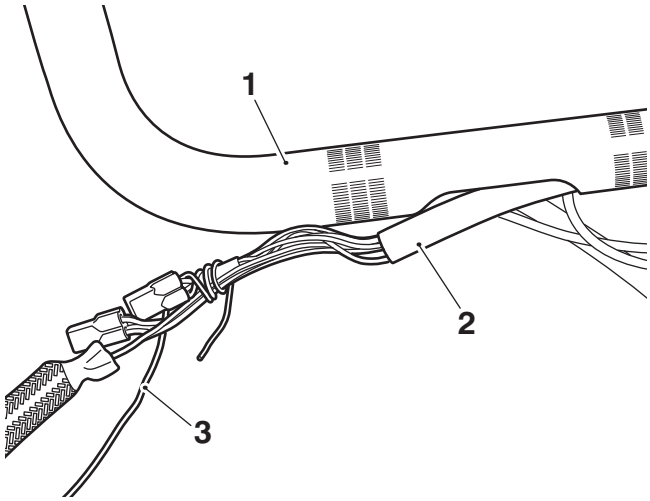
1. **Handlebar**
2. **Harness**
3. **Draw wire**

9. Feed the heated grip cable through the right hand handlebar end, fasten to the draw wire and pull the switch cube harness, heated grip cables and draw wire to their original position.



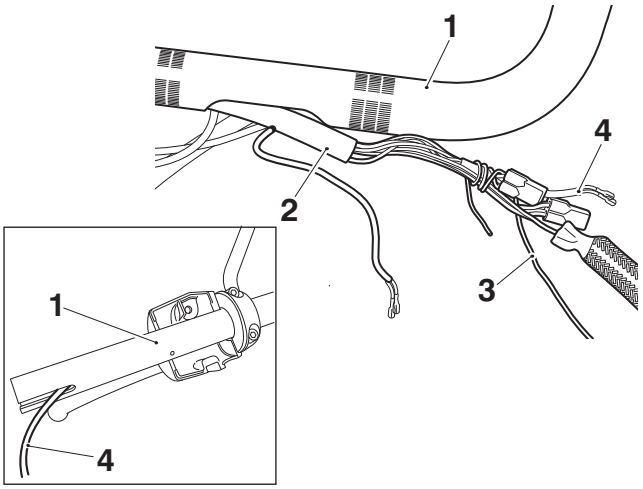
1. **Heated grip cable**
2. **Handlebar**
3. **Switch cube harness**

10. Connect a suitable draw wire to the left hand harness connector and draw out the switch cube harness.



1. Handlebar
2. Harness
3. Draw wire

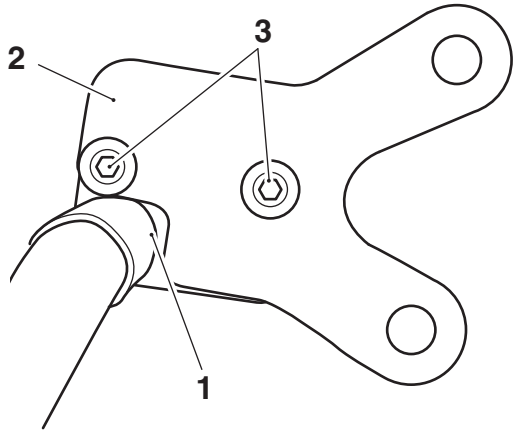
11. Feed the heated grip cable through the left hand handlebar end, fasten to the draw wire and pull the switch cube harness, heated grip cables and draw wire to their original position.



1. Handlebar
2. Harness
3. Draw wire
4. Heated grip cable

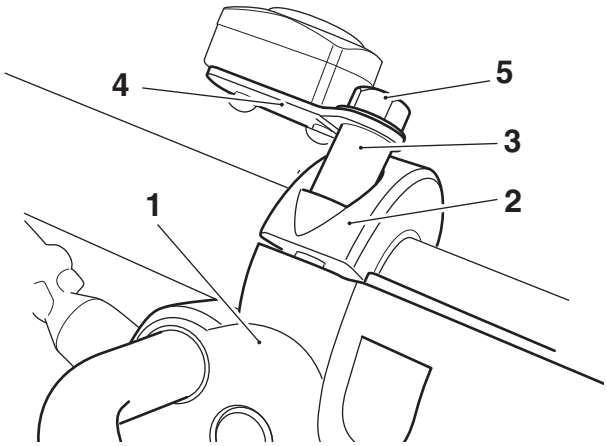
12. Collect the heated grip switch, bracket, and M4 x 5 mm screws from the parts kit.

13. Align the switch to the bracket and secure with the two M4 x 5 mm screws as shown below. Tighten the screws to **3 Nm**.



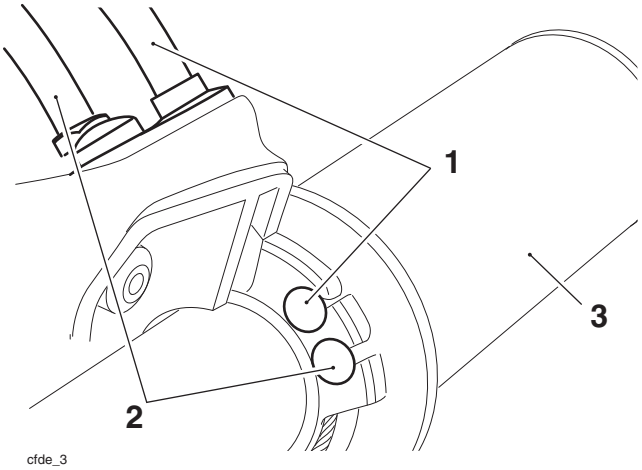
1. Switch
2. Bracket
3. Screws, M4 x 5 mm

14. Refit the handlebars; refer to the Service Manual.
15. Collect the two spacers and two M6 x 35 mm bolts from the kit.
16. Fit the clamp, spacers, switch bracket and bolts to the clutch lever assembly as shown below. Do not fully tighten the bolts at this stage.



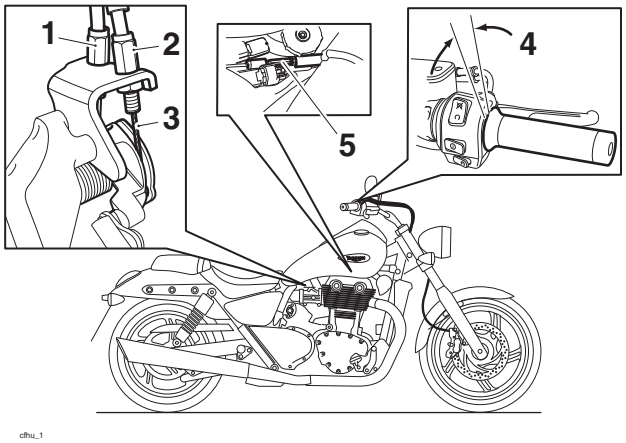
1. Clutch lever assembly
2. Clamp
3. Spacer (1 of 2 shown)
4. Switch bracket
5. Bolt (1 of 2 shown)

17. Engage the nipples of the throttle cables to the twist grip. Engage the closing cable first then the opening cable.



1. Opening cable
2. Closing cable
3. Twist grip

18. Adjust the throttle cable as follows:



1. Opening cable
2. Closing cable
3. Closing cable - free play measurement point
4. Opening cable - free play measurement point
5. Opening cable in-line adjuster

Warning

Operation of the motorcycle with incorrectly adjusted, incorrectly routed or damaged throttle cables could interfere with the operation of the brakes, clutch or the throttle itself. Any of these conditions could result in loss of motorcycle control and an accident.

Warning

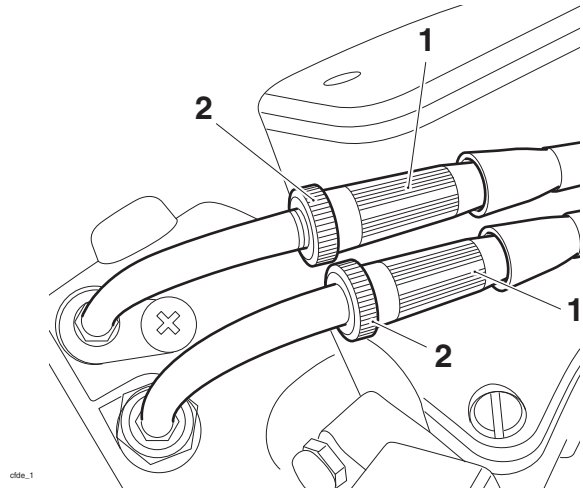
Move the handlebars to the left and right full lock while checking that cables and harness do not bind. A cable or harness that binds will restrict the steering and may cause loss of control and an accident.

Warning

Ensure that the adjuster lock nuts of both cables are tightened, as a loose lock nut could result in a sticking throttle.

An incorrectly adjusted, sticking or stuck throttle can lead to loss of motorcycle control and an accident.

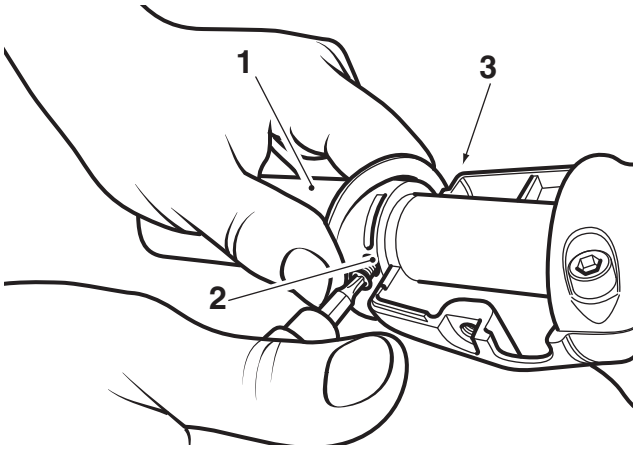
19. Rotate both cable adjusters such that there is an equal amount of adjustment in each direction.



1. Adjusters
2. Lock nuts

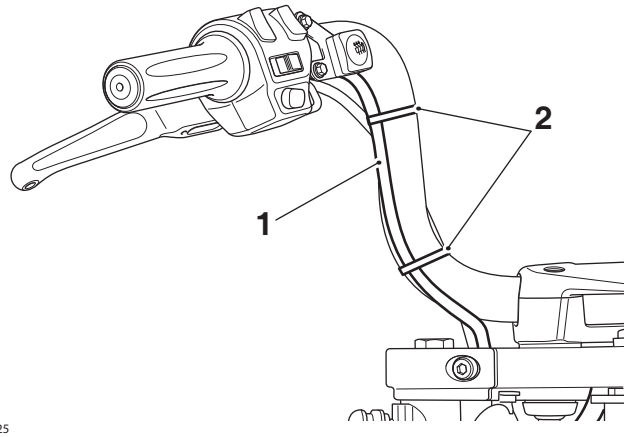
20. Rotate the in-line adjuster on the opening cable to give 2 - 3 mm of play at the twist grip. Tighten the lock nut.
21. Slide the left hand heated grip fully onto the handlebar. Ensure that the wiring is located in the cut out in the handlebar and cannot be trapped.

22. Secure the left hand grip by aligning the two holes in the grip to the two holes in the handlebar, fit the two M4 x 13 mm self tapping screws from the kit and tighten to **4 Nm**.



1. Heated grip
2. Lower screw location
3. Upper screw location

23. Route the switch harness along the line of the left hand handlebar and into the headstock area, securing it to the handlebars with two cable ties from the parts kit.



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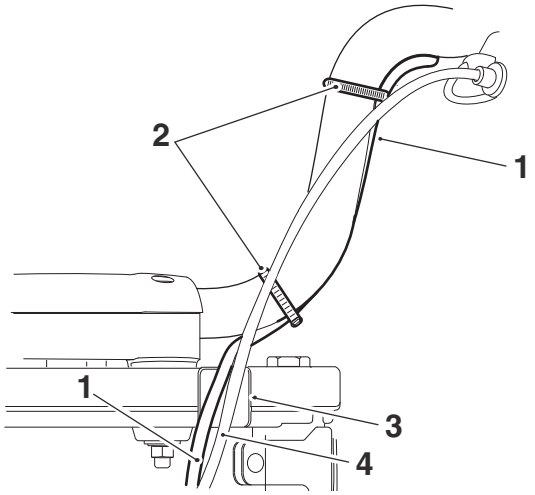
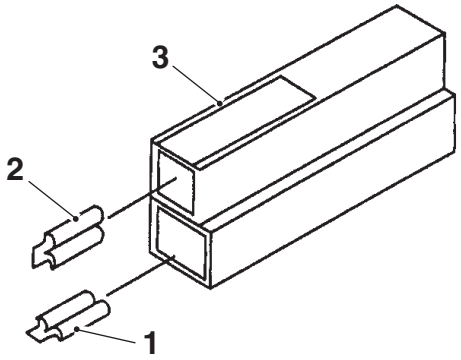
1. Switch harness
2. Cable ties

24. Feed the heated grip switch harness through the upper shroud adjacent to the clutch cable and into the area behind the headlight.



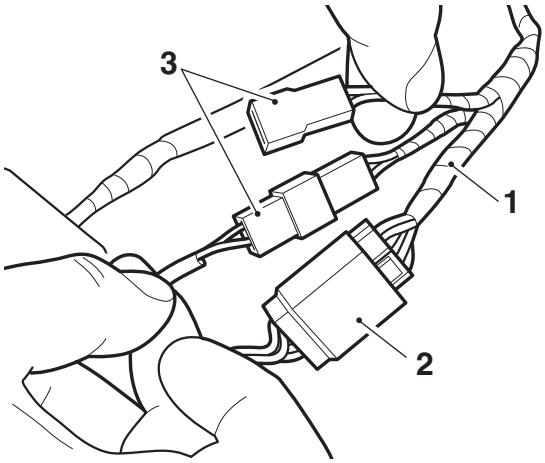
1. Switch harness
2. Cable ties
3. Upper yoke
4. Clutch cable

25. Attach the connector blocks from the kit to the left hand and right hand heated grip wiring as shown below. Ensure the correct orientation of the terminals.



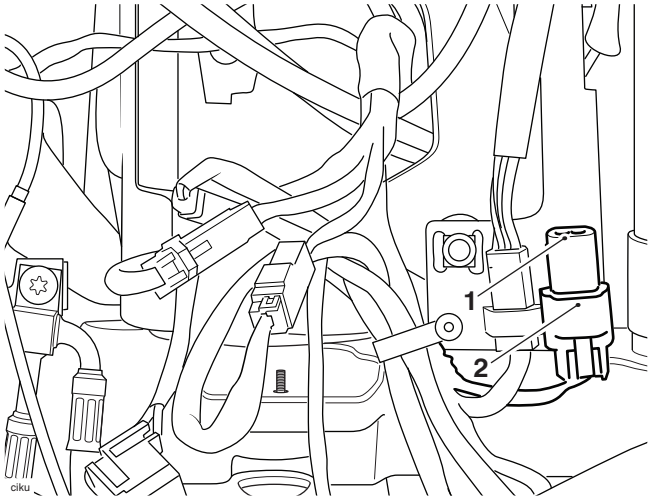
1. Black terminal
2. Brown terminal
3. Connector block

26. Connect the heated grip switch connector and both heated grip connectors to the sub-harness.



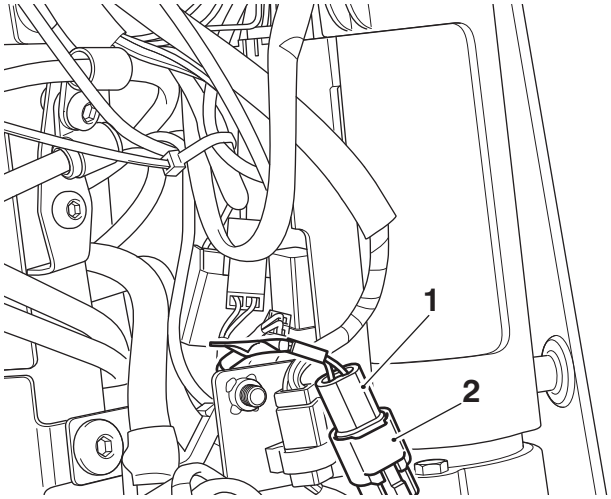
1. Sub-harness
2. Switch connector
3. Grip connectors

27. The main harness 3-pin connector for the heated grips is attached to a bracket adjacent to the left hand fork.



1. Heated grip connector, blanking plug
2. Heated grip connector, main harness

28. Remove the blanking plug from the main harness connector and connect the sub-harness from the kit.



1. Heated grip connector, sub harness
2. Heated grip connector, main harness

Warning

When securing electrical cables with cable ties ensure the cable ties are fully tight. Ensure there is slack in the cables.

Failure to follow this warning may result in damage to the electrical cables which may lead to loss of motorcycle control and an accident.

29. Route the heated grip, switch and sub-harness alongside the existing wiring harness and secure with the remaining cable tie from the parts kit.
30. Refit the fork shrouds; refer to the Service Manual.
31. Refit the headlight; refer to the Service Manual.
32. If fitted, fit the windscreen; refer to the Service Manual.
33. Reconnect the battery, positive (identified with red tape) lead first.
34. Refit the rider's seat; refer to the Owner's Handbook.
35. Check the operation and beam setting of the front headlight, adjust if necessary.

Heated Grip Operation

The heated grip switch has three operating modes and will change colour as described below:

- OFF - white
- HOT - red
- WARM - green or amber.

The system is designed to offer a variable level of heat at the grips from warm to hot.

For maximum benefit in cold conditions, from the off position press the switch once for hot (red) initially and then reduce the heat level by pressing the switch again for warm (green or amber) when the grips have warmed up.

To turn off the heated grips, press and release the switch until the colour of the switch is white.

Automatic Shutdown

If the heated grips are switched on and a low battery voltage situation is detected continuously for five minutes, the illuminated switch will flash five times. When the illuminated switch stops flashing the power to the heated grips and LED warning light will be switched off.

To switch the heated grips on again, press the switch until the desired heat level is reached, however if the low voltage condition is still apparent the heated grips will operate for a further five minutes and then turn off.

Fuses

Thunderbird Commander: Fuse number 2 protects the heated grips circuit, refer to the label in the fuse box lid for fuse amperage.

Thunderbird LT: Fuse number 9 protects the heated grips circuit, refer to the label in the fuse box lid for fuse amperage.

Warning

After fitting the accessory kit the motorcycle will exhibit new handling characteristics. Operate the motorcycle in a safe area free from traffic to gain familiarity with the new characteristics. Operation of the motorcycle when not familiar with any new handling characteristics may result in loss of motorcycle control and an accident.

Warning

If, after fitment of this accessory kit, you have any doubt about the performance of any aspect of the motorcycle, contact an authorised Triumph dealer and do not ride the motorcycle until the authorised dealer has declared it fit for use. Riding a motorcycle when there is any doubt as to any aspect of the performance of the motorcycle may result in loss of control of the motorcycle leading to an accident.

Warning

The motorcycle must not be operated above the legal road speed limit except in closed course conditions.

Warning

Only operate this Triumph motorcycle at high speed in closed course, on-road competition or on closed course racetracks. High speed operation should only be attempted by riders who have been instructed in the techniques necessary for high speed riding and are familiar with the motorcycle's characteristics in all conditions.

High speed operation in any other circumstances is dangerous and will lead to loss of motorcycle control and an accident.